

BenQ E1050 Digital Camera
User Manual

Welcome

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Taking care of your camera

- The camera operating temperature is between 0 and 40 degrees Celsius. It is normal for the operating time to be shortened when the temperature is low.
- Do not use or store your camera in the environments listed below:
 - Direct sunlight
 - Dusty places
 - Next to an air conditioner, electric heater or other heat sources
 - In a closed car that is in direct sunlight
 - Unstable locations
- If your camera becomes wet, wipe it with a dry cloth as soon as possible.
- Salt or seawater may cause severe camera damage.
- Do not use solvents, such as alcohol, to clean your camera.
- If the lens is dirty, use a lens brush or soft cloth to clean the lens. Do not touch the lens with your fingers.
- To prevent electric shock, do not attempt to disassemble or repair your camera by yourself.
- Water may cause a fire or electric shock. Therefore, store your camera in a dry place.
- Do not use your camera outdoors when it is raining or snowing.
- Do not use your camera in or near water.
- If a foreign substance or water gets in your camera, please turn the power off immediately and disconnect the battery (or batteries; depending on the model you purchased) and the power adapter. Next, Remove the foreign substance or water, and send it to the maintenance center.
- If the lens cannot retract into the camera, please replace the battery first (usually this is because of a drained battery). Then the lens should retract automatically. If the lens still cannot retract, please contact your dealer.
- Under no circumstances should you push the lens back manually as this may damage the camera.

Disposal of Waste Electrical and Electronic Equipment by users in private households in the European Union.



This symbol on the product or on the packaging indicates that this can not be disposed of as household waste. You must dispose of your waste equipment by handing it over to the applicable take-back scheme for the recycling of electrical and electronic equipment. For more information about recycling of this equipment, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

CE Regulatory Notice

Hereby, BenQ Corp. declares under our responsibility that the product is in conformity with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating, Electromagnetic Compatibility Directives (2004/108/EC) and Low Voltage Directive (2006/95/EC).

A "Declaration of Conformity" in accordance with the above Directives has been made and is available from BenQ Corp. upon request.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

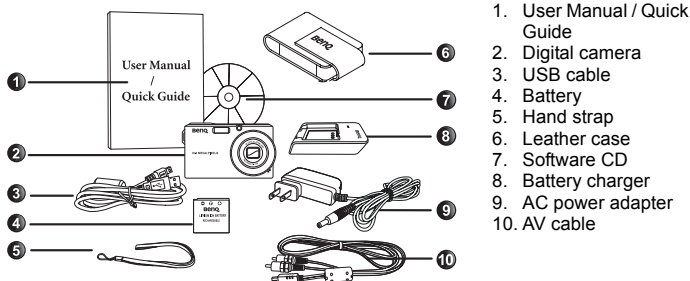
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Touring the camera

Checking the package contents

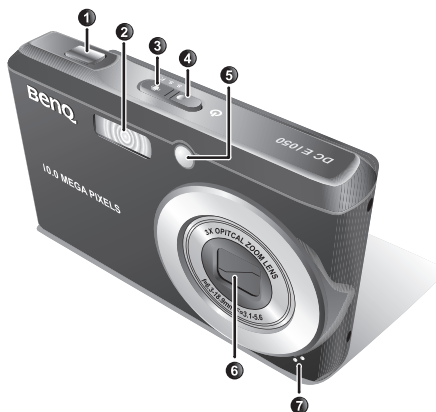
Carefully unpack your kit box and ensure that you have the following items.




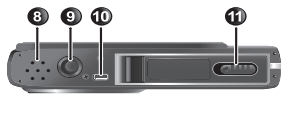
- All pictures, screen captures, and icons used in this manual are for illustration only. Actual and available products, accessories, as well as their appearance may vary depending on sales region.
- If any items are missing or damaged, contact your dealer.
- Save the packaging for future shipment or storage.

Camera

Front view and bottom view



1. Shutter button
2. Flash
3. S.S.F. (Super Shake-Free) button
4. Power button  / Status LED indicator
5. AF Assist Lamp / Self-timer LED indicator
6. Lens
7. Microphone
8. Speaker
9. Tripod mount
10. USB / AV port
11. Battery / Memory card cover



Rear view



1. LCD display
2. T (Tele) - Zoom-in or Scene mode description
3. Strap eyelet
4. W (Wide) - Zoom-out or thumbnail view (Playback mode)
5. Playback mode button - Toggle between Capture and Playback modes
6. Multifunctional buttons (including a 4-way control and an button)
7. FUNC / Delete button - Activate FUNC menu (Capture mode) or delete photos (Playback mode)
8. MENU button or return to the previous menu

- It is normal for the camera to become warm during operation, because metal camera casing can conduct heat.
- The LCD display on this camera is manufactured with sophisticated technology, and more than 99.99% of the pixels on the LCD display meet standard specifications. Yet, it is possible that less than 0.01% of the pixels on the LCD display may have some light spots or show unusual colors. This is normal and does not indicate display malfunction, nor will this affect the pictures you take with the camera.

Preparing the camera for use

Use only the specified battery for the camera, and always turn off the camera before removing the battery.



To install the battery:

1. Open the battery cover (A).
2. Insert the battery in the correct direction by matching the + - label on the battery cover (B).
3. Push the battery all the way down, until the battery lock lever clicks into place (C).
4. Close the battery cover (D).



C

**To remove the battery:**

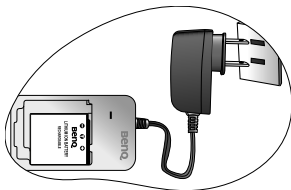
1. Open the battery cover.
2. Press and hold the battery.
3. Release the battery lock lever.
4. When the battery has come out a little, gently pull it out the rest of the way.
5. Close the battery cover.

D



Charging the battery

The battery charge status affects the camera performance. To maximize the performance and the battery life, fully charge the battery using the specified charger and AC power adapter, and then fully discharge it through normal use at least once.

**To charge the battery:**

1. Insert the battery into the battery charger.
2. Connect one end of the AC power adapter to the battery charger.
3. Connect the other end of the AC power adapter to a wall outlet.
4. When the battery is being charged, the charger LED indicator lights up in red. When the battery is fully charged, it turns into green.

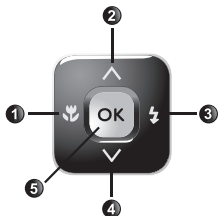


- Damage caused by the use of an incorrect battery charger set is not covered under the warranty.
- The battery may be warm after being charged or used. This is normal and not a malfunction.
- When using the camera in a cold environment, keep the camera and its battery warm by holding it inside your jacket or another warm protective environment.
- Remove the battery from the camera if you do not intend to use the camera for a long time.

Using multifunctional buttons

You can choose camera settings by pressing the 4-way control or the **OK** button.

1. **Left/Macro/Auto Focus:**
 - Scrolls left in menus.
 - Activates Macro mode or Auto Focus mode.
2. **Up:**
 - Scrolls up in menus.
3. **Right/Flash:**
 - Scrolls right in menus.
 - Selects a flash mode.
4. **Down:**
 - Scrolls down in menus.
5. **OK:** Confirms a chosen setting.



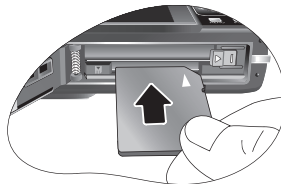
Using an SD card

The camera comes with internal memory for storing captured images, video clips, or audio files. You can also add an SD card to store more files.



To install an SD card:

1. Make sure the camera is turned off.
2. Open the memory card cover.
3. Insert an SD card in the correct direction.
4. Close the memory card cover.



To remove an SD card:

1. Make sure the camera is turned off.
2. Open the battery cover.
3. Press lightly the edge of the memory card to eject.
4. Close the battery cover.

Before initial use of an SD card, press **MENU** >  > **Manage Memory** >  **Format** > **OK** to format the card first.

Initial setting

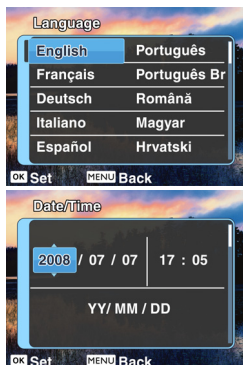
You will be prompted to set up the language and the date and time when the camera is turned on for the first time.

Setting language

Selects the language version shown on the screen.

To select a language:

1. Press , , , or to locate the language you want.
2. Press to set the language.



Setting date and time

When first time using the camera or the battery has been removed from the camera for a long time, you need to set the date and time. They are used to record when a file was captured.

To set date and time:

1. Press > . (Step 1 is needed only after the initial setting is done.)
2. Press or to locate **Date/Time**, and then press or .
3. Press or to select date and time and date format. Press or to move to another column as needed.
4. Press to set the date and time.

Operating the camera

The procedure below is a general guideline for basic operation. It is particularly useful if you are new to the camera.

1. Press to turn the power on.
2. Press > , , , or to locate a desired options (under two different tabs: and), and then press or to make selections.

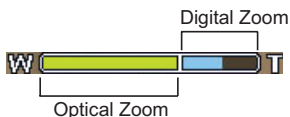
Remember to follow the on-screen display or press for instructions (wherever available). Next, press corresponding buttons to access and set more options. At any time, you can cancel the current operation by pressing to return to your previous step.

3. Press to zoom-in or to zoom-out. (In the **Movie Record** mode, you can still adjust the optical zoom before recording.)
4. Press the shutter halfway to set automatic focus. Once the focus is set, the focus frame color will turn from white (unfocused) to yellow-green (focused).
5. Press the shutter down fully to capture.
6. Release the shutter.

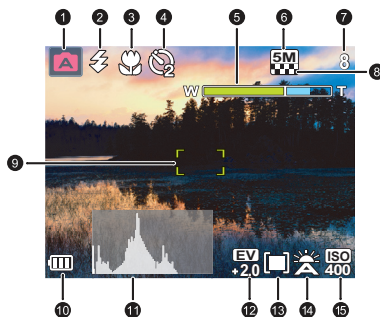
6 Operating the camera

7. In the **Movie Record** mode, press the shutter to stop video recording.
8. Press **[▶]** to view captured images or recorded videos, and then press **[↶]**, or **[↷]** to move to different images/videos. You can also press **[T]** or **[W]** to zoom-in/out a captured image, or press **[W]** to view 9 images on the screen.

- ☞
- During zoom-in/out, there is a separator in the zoom bar between **[T]** and **[W]**. For best image quality, it is recommended to use optical zoom only by keeping the magnification within **[W]** and the separator.
 - Flash is automatically turned off in the Movie Record mode.
 - The Movie Record mode records both sound and video. The recording time is continuous, but recording will stop once the memory card space is full.
 - In the Movie Record mode, sound is temporarily muted during zoom-in/out.
 - Anytime in the Playback mode, you can press **[▶]** to switch to the Capture mode.
 - At any time, you can press **[⏻]** to turn off the camera.
 - In Capture or Playback mode, press **[OK]** to decide what information to show on the screen.




Capture mode

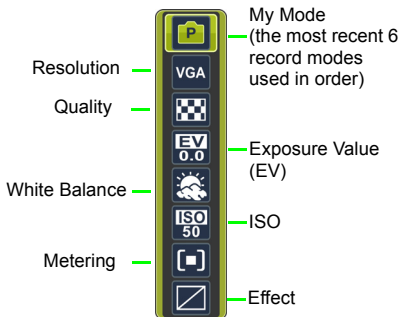
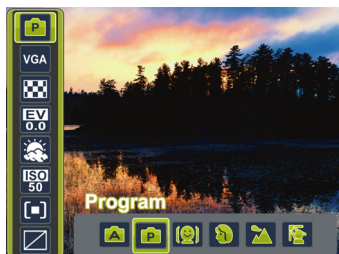


| Item | Description | Page reference |
|------|---------------------------|----------------|
| 1 | Scene mode | 13 |
| 2 | Flash mode | 9 |
| 3 | Focus mode | 9 |
| 4 | Drive mode | 16 |
| 5 | Zoom bar | 5 |
| 6 | Image size | 8 |
| 7 | Number of shots available | -- |
| 8 | Image quality | 10 |
| 9 | AF area | 12 |
| 10 | Battery status | 10 |
| 11 | Histogram | -- |
| 12 | Exposure value (EV) | 10 |
| 13 | AE metering | 11 |
| 14 | White balance | 11 |
| 15 | ISO | 11 |

- In the Capture mode, press **OK** to toggle among 4 display modes (standard, complete, none, and rule of thirds). Use the rule of thirds display mode to improve your composition by placing subjects on at least one of the intersections of these 4 imaginary lines.
- While the shutter is pressed halfway, the shutter speed and the aperture are also shown on the screen (not available in the Movie Record mode).

More capture options in FUNC menu

Press the **FUNC** button  to access more capture options. Depending on your settings, the displayed option icons in the FUNC menu may vary.



To use the FUNC menu:



















1. Press  to enter the FUNC menu and currently selected setting shows.
2. Press ,  to go to another option, or press  or  to select a setting.
3. Press  to confirm the setting.

Image size






| Icon | Description | Icon | Description |
|--|----------------------------------|---|--|
|  | 10 megapixels (3648 x 2736) |  | 5 megapixels (2592 x 1944) |
|  | 3:2 (8 megapixels; 3648 x 2432) |  | 3 megapixels (2048 x 1536) |
|  | 16:9 (8 megapixels; 3648 x 2048) |  | HD 16:9 (1920 x 1080 in full HD format) |
|  | 8 megapixels (3264 x 2448) |  | VGA (640 x 480) |

To select an image size:

1. Press  > **Resolution**.
2. Press  or  to select a setting.
3. Press  to confirm setting.

Flash mode



The flash offers an additional light source (usually used in a low-light environment). You can capture an image using one of the following flash modes.

| Icon | Mode | Description |
|---|-------------------|--|
|  | Auto flash | The flash fires automatically based on the photographic conditions. |
|  | Auto anti red-eye | Reduces the red-eye phenomenon when capturing natural-looking images of people and animals in low-light conditions. Be sure to ask the subject to look at the camera lens or get as close to the camera as possible. The flash fires automatically based on the photographic conditions. |
|  | Force on | The flash always fires regardless of the surrounding lighting conditions. Select this mode when capturing images with high contrast (backlighting) and deep shadows. |
|  | Slow sync | Fires the flash immediately at the beginning of exposure with a longer shutter speed, so balanced ambient lighting of the foreground subject and background scene can be reached in a low-light environment. |
|  | Force off | The flash does not fire. Select this mode when flash photography is prohibited, or when the distance to the subject is beyond the effective range of the flash. |

To select a flash mode:

1. Go to the Capture mode.
2. Keep pressing  to toggle among different flash modes and select a desired option.

Macro mode

| Icon | Mode | Description |
|---|------------|---|
|  | Auto focus | Adjusts focus automatically. |
|  | Macro | Used when capturing images at a close distance. |




To select Macro mode:

3. Go to the Capture mode.
4. Keep pressing  to toggle between Auto focus and Macro modes.

Image quality

| Icon | Mode | Description |
|------|---------|--|
| | Fine | Best image quality with the lowest compression rate. File size is the largest. |
| | Normal | Better image quality with medium compression rate. File size is medium. |
| | Economy | Good image quality with the highest compression rate. File size is the smallest. |

To select an image quality level:

1. Press  > **Image Quality**.
2. Press  or  to select a setting.
3. Press  to confirm setting.





Battery status

| Icon | Description |
|------|---|
| | Battery power is full. |
| | Battery power remains adequate. |
| | Battery power is low. |
| | Battery power is very low. You should replace the battery ASAP. |

Setting EV

EV (Exposure Value) lightens or darkens the entire image. Adjust EV when the brightness between the subject and the background is not balanced, or when the subject occupies only a small part of the picture.

To select an EV:

1. Press  > **EV**.
2. Press  or  to select an EV from the EV bar, and then press  to confirm setting.



White balance

Compensates for color temperatures in different lighting conditions, so white and other colors can display properly when you capture images.

| Icon | Mode | Description |
|------|--------------------------------|---|
| | Auto | Adjusts white balance automatically. |
| | Daylight | Used in bright daylight conditions. |
| | Cloudy | Used in twilight or shady conditions. |
| | Tungsten | Used when subjects lit by tungsten (incandescent) lighting. |
| | Fluorescent H Fluorescent L | Adjusts for fluorescent lighting. Corrects the green hue of fluorescent lighting. Ideal for indoor photos under fluorescent lighting without a flash. |
| | Manual | Used when you want to manually adjust white balance in a particular lighting condition. |

To select white balance:





1. Press > **White balance**.
2. Press or to select a white balance option. (When selecting the manual mode, you must first point the adjustment frame shown on the screen at a blank sheet of white paper or something similar, and press the Shutter for the camera to detect proper colors.)
3. Press to confirm setting.

ISO




ISO configures the camera's sensitivity to light. The higher the ISO value, the brighter picture you can take in a low-light environment. Yet, you may see more noise in the picture as you increase the ISO value.

| Icon | Description |
|--------------|--|
| | Automatically sets the ISO value. |
| | Equivalent to color ISO 50/100/200 film. Used for outdoor photography in bright sunlight. |
| | Equivalent to color ISO 400/800/1600/3200 film. Used in a low-light environment or where the flash light is not allowed. ISO 3200 for resolution 3M or under only. |





To select an ISO value:

1. Press  > **ISO**.
2. Press  or  to select an ISO Value.
3. Press  to confirm setting.

AE metering








| Icon | Mode | Description |
|--|--|--|
|  | Automatic Exposure metering: Matrix | Detects the exposure based on multiple points in the subject area. |
|  | Automatic Exposure metering: Center Weight | Detects the exposure of the entire shooting screen, but gives more importance to the values near center. |
|  | Automatic Exposure metering: Spot | Detects the exposure based on the center spot in the subject area. |

To select an AE metering option:





1. Press  > **Metering**.
2. Press  or  to select an AE metering option.
3. Press  to confirm setting.

Effect

Adds color filter effects to the image or video you want to capture.

| Icon | Mode | Description |
|--|-----------------------|--|
|  | Normal | No effects are added. |
|  | Vivid | Adds an effect with very clear and bright color tones. |
|  | Sepia | Adds an effect with dark reddish brown color tones, so the image or video looks as if it is old. |
|  | Black and White (B/W) | Adds an effect with monochromatic color tones. |
|  | Vivid Red | The image becomes reddish. |
|  | Vivid Green | The image becomes greenish. |
|  | Vivid Blue | The image becomes bluish. |

To select an color mode:

1. Press  > **Color Mode**.
2. Press  or  to select an Effect option.
3. Press  to confirm setting.

Scene mode






Select one of the following scene modes to fit your shooting condition.





| Icon | Mode | Description |
|---|-------------------|--|
|  | Auto | Lets the camera automatically decide most settings, so you can capture images with ease. |
|  | Program | You can set the shooting parameters. |
|  | Aperture Priority | You can choose an aperture value, while the shutter speed is automatically determined by the lighting condition of the subject. |
|  | Shutter Priority | You can choose a shutter speed, while the aperture value is automatically determined by the lighting condition of the subject. |
|  | Manual | Lets you decide all available shooting parameters. |
|  | Movie Record | Captures videos with sound. When viewing the captured video file later, the  icon shows indicating that this is a video file. |
|  | Portrait | Makes the subject (usually a person) stand out with a brighter look. |
|  | Landscape | Used when taking pictures of natural scenery. |
|  | Sports | Captures a fast-moving subject. |
|  | Backlight | Compensates for exposure in a strong backlit environment. Flash is always on. |
|  | Night Scene | Used when taking a picture in the evening, night, or a low-light environment. |
|  | Beach | Used under a very bright light environment such as beaches. |
|  | Snow | Used under a very bright light environment such as snow scenes. |
|  | Fireworks | Used when taking a picture of exploding fireworks. |
|  | Night Portrait | Keeps both the subject and the night scene clearly. |

| | | |
|---|--------------------|--|
|  | Self-Portrait | Helps take a picture of yourself (and other subjects if available). |
|  | Building | Line contrasts of a building are highlighted. |
|  | Soft Flowing Water | Captures the moments of motion blur on water. |
|  | L. Portrait | Makes the subject (usually a person) stand out while the background is blurred slightly. |
|  | Web Auction | Optimizes image file size for use on the Internet. |
|  | High ISO Portrait | Takes a clear picture in a low-light environment. Flash is always off. |
|  | Food | Captures food by enhancing color brightness and giving more vivid colors. |
|  | Museum | Used when taking a picture of subjects in a place where flash is usually prohibited. Flash is always off. |
|  | Candle Light | Makes a picture look warm, and thus captures the mood under candle light source. Flash is always off. |
|  | Party | Captures the party atmosphere usually under indoor light source. |
|  | Text | Takes a picture of clear text by reducing image distortion usually found on paper, magazines, or books. |
|  | Child | Retains enough colors and skin tones of the subject. |
|  | Sunset | Captures the warmth and atmosphere of sunset. |
|  | Flower | Captures brightly colored flowers by enhancing their soft outlines. |
|  | Pet | Takes a clear picture of a pet by showing its correct fur color. |
|  | Smile Catch | Automatically takes a shot while enough degree of smile is detected. (Smile Catch is automatically turned off after shooting 6 images.) |
|  | Voice Rec. | Captures background sound only (no images or videos). When listening to the captured audio file later, the  icon shows indicating that this is an audio file. |

- ☞ For some scene modes like Auto, options ISO, Metering, and White Balance are not available. You must select another mode like Manual to enable these options.
- When S.S.F. is turned on, adjusting ISO is unavailable no matter which scene mode you select.

To select a scene mode:

1. Press **[MENU]** >  > **Scene Mode**.
2. The currently selected scene mode shows. Press , , , or  to locate another desired option.



 When you are selecting from different scene modes, press   for detailed explanation of each scene mode. Press  **[W]** to close the scene mode description when you are done.

3. Press **[OK]** to confirm setting.
4. Press **[MENU]** to start taking photos.

Aperture Priority

Aperture priority is often used when shooting static subjects or emphasizing the depth of field. In general, use a smaller aperture if a greater depth of field is needed.



To adjust aperture value:

1. Go to the Capture mode with Aperture Priority mode selected.
2. Press  /  to adjust the aperture value.

Shutter Priority

Shutter priority is often used when shooting moving subjects. In general, use a shorter shutter speed to catch a fast-moving object.



To adjust shutter speed in Shutter Priority:

1. Go to the Capture mode with Shutter Priority mode selected.
2. Press  /  to adjust the shutter speed.





Manual mode

You can choose the aperture value and shutter speed in Manual mode.



To adjust values in Manual mode:

1. Go to the Capture mode with Manual mode selected.
2. Press  /  to adjust the aperture value or shutter speed. Press **[OK]** to toggle between the two options.

Drive mode

| Icon | Mode | Description |
|---|------------|---|
|  | Standard | Takes one picture at a time. |
|  | Self-timer | Automatically takes a picture after 2 or 10 second delay. This mode is useful when you want to be part of the picture. |
|  | Double | Performs delay and capture twice: 1. Performs a 10-second delay, then captures the image. 2. Performs another 2-second delay then captures the image again. |
|  | Burst | Continuously takes pictures as long as you keep pressing the Shutter. The flash is always off in this mode. |



To select a drive mode:

1. Go to the Capture mode.
2. Press **[MENU]** >  > **Drive Mode**.
3. Press **[OK]** or , and then select a desired option.
4. Press **[OK]** > **[MENU]**.




Auto Exposure Bracketing (AEB)

The AEB function automatically takes 3 pictures with slightly different settings in the shutter speed or the aperture value.


To turn on/off AEB:


1. Go to the Capture mode.
2. Press **[MENU]** >  > **AEB**.
3. Press **[OK]** or , and then select **ON** or **OFF**.
4. Press **[OK]** > **[MENU]**.

AF area

| Icon | Mode | Description |
|--|------------------------------|--|
|  | Focusing area: Face Tracking | Focuses on the position of a face. |
|  | Focusing area: Wide | Focuses on a wide range of multiple objects. |
|  | Focusing area: Center | Focuses on the center area of the objects. |


To select an automatic focus area:

1. Press **[MENU]** >  > **AF Area**.

2. Press **OK** or , and then select a focusing area.
3. Press **OK** > **MENU**.

While using the Face Tracking function, point the camera to where the people (your subjects) are located. Focus frames of Face Tracking will automatically detect faces (maximum 9) and show on the LCD screen.



4. Press the shutter to capture the image.

-  • Due to environmental factors such as lighting, the number of detected faces might be different from that of the actual faces.
- To achieve the best result, ask your subjects not to turn their faces partially away from the lens.

AF Assist Lamp

This function emits red light allowing the camera to focus easily when half pressed the Shutter button.



To turn on/off AF Assist Lamp:

1. Go to the Capture mode.
2. Press **MENU** >  > **AF Assist Lamp**.
3. Press **OK** or , and then select **ON** or **OFF**.
4. Press **OK** > **MENU**.

Setting sharpness, saturation and contrast




Adjusts how colors appear in the pictures by setting sharpness, saturation, and contrast.

To set sharpness, saturation, or contrast:



1. Press **MENU** >  , and then select **Sharpness**, **Saturation** or **Contrast**.
2. Press **OK** or , and then select **High**, **Normal**, or **Low**.
3. Press **OK** > **MENU**.

Digital Zoom

This feature controls the digital zoom mode. The camera enlarges the image using optical zoom (up to 5x).

| Icon | Mode | Description |
|---|--------------|---|
|  | Wise Zoom | Reduces the image size, and thus increases the effective zoom length without sacrificing image quality. |
|  | Digital Zoom | Turns on the digital zoom feature. |
|  | OFF | Turns off the digital zoom feature. |



To select a digital zoom:

1. Press **MENU** >  > **Digital Zoom**.
2. Press **OK** or , and then select a digital zoom type or **OFF**.
3. Press **OK** > **MENU**.

Date Stamp

Imprints the date when a picture was taken on the picture itself.



To set the date stamp:

1. Press **MENU** >  > **Date Stamp**.
2. Press **OK** or , and then select **Date**, **Date & Time**, or **OFF**.
3. Press **OK** > **MENU**.























Instant Review

This feature displays the still image that just recorded for 1 second.






To set the Instant Review:

1. Press **MENU** >  > **Instant Review**.
2. Press **OK** or , and then select **ON** or **OFF**.
3. Press **OK** > **MENU**.


Movie Record mode settings

| Icon | Description |
|---|--|
|     | <p>Video Format: 16: 9 (848 x 480), VGA (640 x 480), QVGA (320 x 240), or Web sharing (640 x 480).</p> <p> Videos captured in Web sharing mode are stored under the XXXUTUBE directory (XXX are numbers) with the file size limited to 100 MB or 10 minutes per video file (video recording will automatically stop).</p> |
|        | <p>White balance: Auto, Daylight, Cloudy, Tungsten, Fluorescent H, Fluorescent L, or Manual. See "White balance" on page 11 for more details.</p> |
|    | <p>AE metering: Center, Multi, Spot. See "AE metering" on page 12 for more details.</p> |
|        | <p>Effect: Normal, Vivid, Sepia, B&W, Vivid Red, Vivid Green, Vivid Blue. See "Effect" on page 12 for more details.</p> |

To select a Movie Record option:


1. Press **[MENU]** >  > **Scene Mode** > **Movie Record mode**, and make sure you can see the icon  on the screen.
2. Press , and then select an option.
3. Press  or  to select a setting.
4. Press **[OK]** to confirm setting.

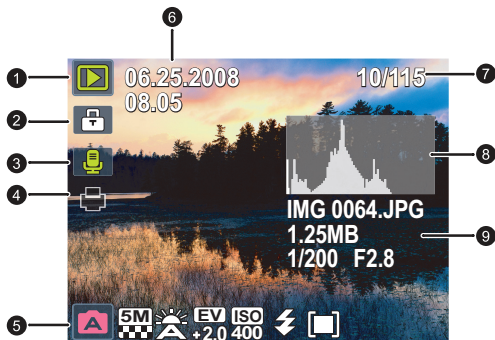
Other settings




Press **[MENU]** > , and then select an option.


| Option | Description |
|----------------|---|
| System Sound | Start up: Sets a type of the start-up sound. Shutter: Sets the shutter sound on and off. Operation: Turns on/off the volume for operation. Volume: Adjusts the volume of the shutter sound, startup sound, beep and playback sound. |
| Power Saving | Sets the idle time before the camera automatically enters the standby mode to save battery power. |
| Date/Time | Sets date and time and date format. |
| Language | Sets the displayed language on the screen. |
| File Numbering | Use this function if the camera experiences a "Folder cannot be created" error or if you want to restart numbering, for example, after erasing all files. <ul style="list-style-type: none"> • Series: Stores the latest used file number no matter deleting files or inserting a new memory card. This is useful for avoiding the file name duplication when images are downloaded to a computer. • Reset: Resets file numbering each time the memory card is changed. |
| TV Format | Sets the video format (such as NTSC or PAL) when connecting to an AV system like TV. |
| LCD Brightness | Sets the degree of brightness for the screen. |
| Manage Memory | <ul style="list-style-type: none"> • Format: Formats the internal memory or the memory card. • Copy to card: Copies files from the internal memory to the memory card. |
| Reset All | Returns all settings to the factory default values. |

Playback mode



Press  to enter the Playback mode.



- When the camera is off, press and hold  for at least one second to enter the Playback mode.
- In the Capture mode, press  to enter the Playback mode.
- In the Playback mode, press  or the Shutter to switch to the Capture mode.
- While pausing video playback, you can press the shutter to capture the video frame as a still image in the VGA format.

| Item | Description | Page reference |
|------|---|----------------|
| 1 | Indicates that the camera is in the Playback mode. | -- |
| 2 | Indicates that the file is protected and cannot be deleted. | 22 |
| 3 | Indicates this file has a voice memo or the file is an audio file. | 22 |
| 4 | Indicates the file is marked for printing. | -- |
| 5 | Displays the following information and controls: <ul style="list-style-type: none"> the shooting conditions such as scene mode and image size. Lets you rotate or add voice memo. Shows whether it is a video file and the play button. <p> You can press OK to toggle among different information and controls.</p> | -- |
| 6 | Date and time when the file was created. | -- |
| 7 | File number | -- |
| 8 | Histogram | -- |
| 9 | File name, file size, shutter speed, and F. No. | -- |











Options for playback and editing

When the camera is in the Playback mode, press , or  to move to different files. You can also select any of the following options.

Enlarging an image

Magnifies an image, so more details can be seen.

To enlarge an image:







1. Press .
2. Press , or  to move to the image you want to enlarge.
3. Press  to zoom-in or  to zoom-out.
4. Press , , , or  to move to the area you want to see.
5. Press  to return to the normal viewing size.

Viewing multiple files at a time

Shows up to 9 files at a time on the screen.

To view multiple files:










1. Press  > .

Maximum 9 files (shown in thumbnails) are displayed on the screen. Press , , , or  to select a file, and then press  or  to view it in its normal viewing size.

Slideshow

Sets the time interval for presenting a series of captured image and video files (first frame only).

To play a slideshow:

1. Press  >  >  > **Slideshow** >  or .
2. Change the slideshow settings.
 - Use the four-way control to set one of the following slideshow effects:
 - Horizontal: Changes files from right to left.
 - Shrink: Changes files from outside to inside.
 - Fade: Changes files using a fade-out effect.
 - Vertical: Changes files from bottom to top.
 - Random: Changes files randomly using the above four effects.
 - You can set the interval between 1 ~ 10 seconds.
3. Playing the slideshow.
 - Press  to start slideshow.
 - If you want to pause it at any time, press . Press  again to resume playback. To stop the slideshow, press .

Deleting files

Removes selected or all files.

To delete files:

1. Press > > > **Delete** > or .
2. Select whether to delete this selected file, other selected, or all files, and then press .

Protecting files

Prevents selected files from accidental removal.

To protect files:

1. Press > > > **Protect** > or .
 2. Select whether to protect this selected file, other selected, or all files, and then press .
- You will then see the icon indicating the file is protected.

You can remove the protection anytime by following the same procedure as shown above. Note that in Step 2 the on-screen instruction will ask you how you want to remove the protection.

Red-eye Removal

The Red Eye Correction function is used to reduce red eye in captured images. This function is only available for still images. Red eye correction can be applied to an image several times, but the quality may gradually deteriorate.

1. Press > or to move to the image you want to apply Red-eye Removal.
2. Press > > **Red-eye Removal** > or .
3. Press to confirm the change and how to save the image file.

Voice memo

Inserts a voice annotation to an image file.

To record a voice memo:

1. Press > or to move to the image you want to add a voice memo.
2. Press > > **Voice Memo** > or .
3. Select **Start** > to start recording your voice.
4. Select **Stop** > to stop recording.

To play back a voice memo:

1. Press to play the voice memo.
2. Press to pause the playback.
3. Press to resume the playback.
4. Press to exit playback.

Effect

You can add special effects to your images.

| Option | Description |
|-------------|--|
| Normal | No effect is added to the image. |
| Sepia | Recorded image will be stored in a sepia tone. |
| B&W | Convert image to black & white. |
| Negative | Opposite what they were in the original image. |
| Mosaic | Apply mosaic tile effects to the image. |
| Vivid Red | The image becomes reddish. |
| Vivid Green | The image becomes greenish. |
| Vivid Blue | The image becomes bluish. |

Z-Lighting

Enhances the brightness and contrast in the darker areas of a picture to improve overall exposure quality.

To apply Z-Lighting to an image:

1. Press **[▶]** > **[🔍]** or **[⚡]** to move to the image you want to apply Z-Lighting.
2. Press **[MENU]** > **[▶]** > **Z-Lighting** > **[OK]** or **[⚡]**.
3. Press **[🔍]**, or **[⚡]** to adjust the Z-Lighting value.
4. Press **[OK]** to confirm the change and how to save the image file.



Rotating an image

Changes the orientation of an image.

To rotate an image:

1. Press **[▶]** > **[🔍]** or **[⚡]** to move to the image you want to rotate.
2. Press **[MENU]** > **[▶]** > **Rotate**
3. Select **Rotate** and press **[OK]** to rotate the image.
4. Repeat step 3 until desired orientation is achieved.
5. Select **Exit** to save and exit the function.

Trimming

Crops part of an image file, reduces the image size, and overwrites the image file or saves it as another new file.

To trim an image:

1. Press **[▶]** > **[🔍]** or **[⚡]** to move to the image you want to trim.
2. Press **[MENU]** > **[▶]** > **Trim** > **[OK]** or **[⚡]**.
3. Press **[T]** or **[W]** to select the target image size to which you want to reduce.
4. Press **[^]**, **[v]**, **[🔍]**, or **[⚡]** to locate the area to trim.
5. Press **[OK]** to confirm the change and how to save the image file.

Resizing

Changes an image file to a smaller size, and overwrites the image file or saves it as another new file.

To resize an image:

1. Press > or to move to the image you want to resize.
2. Press **MENU** > > **Resize** > **OK** or .
3. Press or to select the target image size to which you want to reduce.
4. Press **OK** to confirm the change and how to save the image file.

Startup screen

Sets the welcome image when the camera is powering on.

To select a startup image:

1. Press **MENU** > > **Startup Image** > **OK** or .
2. Press or to select an image.
3. Press **OK**.

DPOF

The Digital Print Order Format (DPOF) setting allows you to select images on the memory card for printing and specify the number of print copies in advance using the camera. This is extremely convenient for sending the images to a photo developing service or for printing on a direct print function compatible printer.

To set up DPOF:

1. Press **MENU** > > **DPOF**
2. Press or to select **Single**, then press **OK**.
 - To set the DPOF setting for all images in a time, select **All** in this step.
 - To reset all DPOF settings to initial default, select **Reset** in this step.
3. Press or to select the image you want to print out and press or to specify the number of copies, then press **OK**.

Working with computer and AV system

Bundled software

The camera offers the following programs on a CD.

| | |
|------------------------------|---|
| ArcSoft PhotoImpression 5 | Combines photo editing with creative enhancement and sharing tools that maximize your digital media experience. |
| ArcSoft VideoImpression 2 | Creates multimedia presentations by combining photos and video clips with audio, text and scene transitions. |

To install these programs, see the information supplied with the CD.

Connecting the camera to a computer

You can connect the camera to a PC or notebook to transfer, view, print, or edit files.



To connect the camera to a computer:

1. Connect the end of the smaller plug of the USB cable to the camera.
2. Connect the other end of the USB cable to an available USB port on your computer.
3. Turn on the camera.
4. A **Removable Disk** icon appears in **My Computer**. Click this icon to access the files in your camera.



- When connecting the camera to a computer, it is necessary to install a battery into the camera.
- When connecting the camera to a computer, please use the original accessory of the USB cable to avoid possible system conflicts and damage to the camera.

Connecting the camera to an AV system

You can play files in your camera from an AV system such as TV or projector.

To connect the camera to an AV system:

1. Connect the end of the smaller plug of the AV cable to the camera.
2. Connect the yellow video plug and the white audio plug of the AV cable to a video-input jack and an audio-input jack (left channel) on your AV system.
3. Turn on the AV system, and then switch to the AV source connecting to the camera.
4. Turn on the camera.
5. Follow the on-screen instructions to operate the camera via the TV or projector screen.






Printing images

In addition to printing images by connecting the camera to a printer via a computer or bringing the memory card (if available) to a photo-processing center, you can choose to print using PictBridge.

Printing with PictBridge

You can directly print images by connecting your camera to a PictBridge-compatible printer without using a computer.

To print images from a PictBridge-compatible printer:

1. Connect the end of the smaller plug of the USB cable to the camera.
 2. Turn on the printer. Wait for a while until it finishes starting up and is ready to print.
 3. Turn on the camera.
 4. Press  >  > **Printer** >  or .
 5. Connect the other end of the USB cable to an available USB port on your printer.
 6. Follow the remaining on-screen instructions in your camera and/or printer to complete printing.
-  • The above procedure may vary depending on the printer type you are using.
- If you connect the camera to your printer while the printer is still starting up, the camera will be automatically turned off.
 - Failure to follow the above procedure will make the camera show an error message. Please disconnect the camera and the camera will be automatically turned off.

Troubleshooting and service information

If your camera cannot operate normally, see the frequently encountered problems and solutions listed below. If the problem persists, contact your nearest service center or technical support.

| Problem | Cause | Solution |
|--|--|--|
| The camera cannot power up. | There is no battery or the battery is not inserted correctly. | Insert the battery correctly. |
| | The battery has no power. | Recharge the battery. |
| The battery power is draining quickly. | The external temperature is extremely low. | -- |
| | Many shots are being captured in dark places, requiring a flash. | -- |
| | The battery was not fully charged, or it has not been used for an extended period of time after being charged. | Fully charge the battery and discharge it for at least one complete cycle before use. |
| The battery or camera is warm. | The camera or flash was used continuously over a long period of time. | -- |
| The flash does not fire or recharge. | The camera flash is turned off. | Set the flash to Auto Flash. |
| | The light source is sufficient. | -- |
| Even though the flash fired, the image is dark. | The distance to the subject is greater than the flash's effective range. | Get closer to the subject and shoot. |
| The image is too bright or too dark. | The exposure is excessive or inadequate. | Reset exposure compensation. |
| I cannot format a memory card. | The memory card is write-protected. | Remove the write protection. |
| | End of the memory card life. | Insert a new memory card. |
| I cannot download images from the camera to my computer. | The free space on the hard disk of your computer is insufficient. | Ensure that the hard disk has enough space for running Windows and that the drive for loading image files has free space equal to or greater than the memory card in the camera. |
| | There is no power being supplied to the camera. | Recharge the battery. |

| | | |
|--|--|--|
| The camera does not shoot even when pressing the shutter button. | The battery is running low. | Recharge the battery. |
| | The camera is not in the Capture mode. | Switch to the Capture mode. |
| | The shutter button was not pressed all the way down. | Press the shutter button all the way down. |
| | The internal memory or memory card does not have any free space. | Load a new card or delete unwanted files. |
| | The flash is recharging. | Wait until the flash mode icon, indicated on the screen, stops flashing. |
| | The camera does not recognize the memory card. | Format the memory card before the initial use or before using with another camera. |
| I cannot print images with PictBridge-compliant printers. | The camera is connected to the printer when the camera is powered off. | Turn on the camera, select PictBridge, and then connect to the printer. |

Technical support


For technical assistance, free driver updates, product information, and news releases, visit the following web site:

<http://www.BenQ.com>

Specifications

| | |
|-----------------------|---|
| Image sensor | 10 Mega Pixels CCD |
| LCD display | 3-inch LTPS LCD; 230K dots |
| Digital Zoom | Still image: 1.0X ~ 5.0X (capture) / 1.0X ~ 12.0X (playback) |
| Lens | <ul style="list-style-type: none"> • Focal Length: f = 6.3 (W) ~ 18.9 (T) mm • F-number = 3.1 (W) ~ 5.6 (T) (35mm film equivalent: 35.5 ~ 106.5 mm) |
| Focus range | <ul style="list-style-type: none"> • Normal: 40cm ~ Infinity • Macro: 10cm ~ 60 cm (Wide) |
| Shutter speed | 1/2000 ~ 1 sec (Night mode 15 sec) |
| Capture mode | 32 scene modes: Auto, Program, Aperture Priority, Shutter Priority, Manual, Movie Record, Portrait, Landscape, Sports, Backlight, Night Scene, Beach, Snow, Fireworks, Night Portrait, Self-Portrait, Building, Soft Flowing Water, L. Portrait, Web Auction, High ISO Portrait, Food, Museum, Candle Light, Party, Text, Child, Sunset, Flower, Pet, Smile, and Voice Record |
| Flash | Auto Flash / Auto Anti Red-Eye / Force On / Slow Sync / Force Off |
| Drive mode | Standard, Self-timer (2 or 10 second delay), Double, and Burst |
| Exposure compensation | -2 to +2 EV (in 0.3-step increments) |
| ISO | Auto, 50, 100, 200, 400, 800, 1600, 3200 (for resolution 3M or less only) |
| White balance | Auto, Daylight, Cloudy, Tungsten, Fluorescent H, Fluorescent L, and Manual |
| File format | <ul style="list-style-type: none"> • Still Image: JPEG (Exif 2.2 compatible) and DCF compatible - 10 megapixels (3648 x 2736), 3:2 (3648 x 2432), 16:9 (3648 x 2048), 8 megapixels (3264 x 2448), 5 megapixels (2592 x 1944), 3 megapixels (2048 x 1536), HD (1920 x 1080) and VGA (640 x 480) • Video: AVI (for use on the camera only) - 16: 9 (848 x 480), VGA (640 x 480), QVGA (320 x 240), or Web sharing (640 x 480); 30 fps; continuous recording with sound (except Web sharing) • Audio: WAV |
| Storage | <ul style="list-style-type: none"> • Internal: Built-in Approx. 10 MB (usable) • External: SD card in the following sizes: 64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB, 4 GB, and up to 16 GB for SDHC. <p>This camera is compatible with SD cards manufactured by Panasonic, Toshiba, and Sandisk. Please contact your local dealer for purchase information.</p> |

| | |
|---------------------------|--|
| Interface | <ul style="list-style-type: none">• Digital output: USB• Audio/Video output (NTSC/PAL)• PictBridge-compatible |
| Power source | Rechargeable Lithium-ion battery; CIPA 200 PCS |
| Working temperature | 0 - 40 degrees Celsius |
| Dimensions (W x H x D) | 95 x 57 x 17.6 mm |
| Weight | 120 g (without battery & SD card) |
| System requirements | <ul style="list-style-type: none">• Pentium III 600 Mhz or higher compatible CPU• 64 MB RAM• Optical disc drive• Windows Me/2000/XP/Vista compatible• 128 MB free hard disk space• Available USB port |

 All information, designs, and specifications are subject to change without prior notice.